ACCELEROMETERS by Vernier

We have three accelerometers with different uses. These small devices can be mounted on moving objects. They have flexible 2-meter cables.

Download complete manuals for:
- 3-Axis Accelerometer manual
- 25-g Accelerometer manual
- Low-g Accelerometer manual

LOW-G ACCELEROMETER
Is best for most experiments. Use it for studying the one-dimensional motion of a car (real and toy), elevator, pendulum bob, or amusement park ride.

SPECIFICATIONS:

Power: 10mA @ 5 V DC
Range: ±5g (±50 m/s^2)
Accuracy: ±0.05g (±0.5 m/s/s)
12-bit Resolution (LabPro): 0.03 m/s^2
10-bit Resolution (CBL™, CBL 2™): 0.1 m/s^2
Frequency Response: 0 - 100Hz
Size: 1.875" × 1.00" × 0.75"
Weight: less than 2 oz.

Testing something somehow

Calibration	Slope	Intercept
Default	22.924	-51.751

25-G ACCELEROMETER
Is great for studying one-dimensional collisions or any motion with larger accelerations.

SPECIFICATIONS:

Power: 10mA @ 5 V DC
Range: ±25g (±250 m/s^2)
12-bit Resolution (LabPro): 0.2 m/s^2
10-bit Resolution (CBL, CBL 2): 0.6 m/s^2

Accuracy: ±0.5g
Frequency Response: 0 - 100Hz
Size: 1.875" × 1.00" × 0.75"
Weight: less than 2 oz.

Calibration	Slope	Intercept
Default	127.992	-287.775

3-AXIS ACCELEROMETER

Is really a three low-g accelerometers mounted at right angles and all placed in a small box. Use it for studying the complex motion of an amusement park ride, a bungee jumper, or simply a toss in the air. With most of our data collection programs, you can graph the magnitude of the total acceleration vector.

SPECIFICATIONS:

Power: 30mA @ 5 V DC
Range: ±5g (±50 m/s^2)
12-bit Resolution (LabPro): 0.03 m/s^2
10-bit Resolution (CBL, CBL 2): 0.1 m/s^2
Accuracy: ±0.05g (±0.5 m/s/s)
Frequency Response: 0 - 100Hz
Size: 1.875" × 1.00" × 0.75"
Weight: less than 2 oz.

ALL ACCELEROMETERS

COMPATIBLE INTERFACES:

LabPro
Calculator-Based Laboratory™ System (CBL or CBL 2)
Universal Lab Interface (ULI)
Serial Box Interface (SBI)

NOTE: These units are designed to be used with one of Vernier Software's interfaces or the CBL. They are not stand-alone accelerometers. If you are looking for an acceleration transducer, you should check out Analog Devices web site at http://www.analog.com/.

ORDERING INFORMATION

For LabPro, CBL, or CBL 2		
3-Axis Accelerometer	**3D-DIN**	$199.00
25-g Accelerometer	**ACC-DIN**	$89.00
Low-g Accelerometer	**LGA-DIN**	$88.00
Low-g Accelerometer	**LGA-BTA**	$90.00

Product	Order Code	Price
3-Axis Accelerometer	**3D-DIN**	$199.00
25-g Accelerometer	**ACC-DIN**	$89.00
Low-g Accelerometer	**LGA-DIN**	$88.00

For Serial Box Interface		
Product	**Order Code**	**Price**
Low-g Accelerometer	**LGA-DIN**	$88.00

NOTE: All Vernier Software products are designed for educational use only. Our equipment is not designed or recommended for research or any apparatus involved with any industrial or commercial process such as life support, patient diagnosis, control of a manufacturing process, or industrial testing of any kind. Our equipment is to be used for educational purposes only. More information.

Questions about adapters?

Download complete manual for the 3-Axis Accelerometer (ships with sensor)
Download complete manual for the 25-g Accelerometer (ships with sensor)
Download complete manual for the Low-g Accelerometer (ships with sensor)

Go to list of all Vernier Software & Technology Sensors

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